



# Metabolic Engineering

## Fourth Interagency Conference on Metabolic Engineering

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Metabolic Engineering Working Group

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# Metabolic Engineering

## Metabolic Engineering Working Group

### Goals

- Promote the Advancement of Metabolic Engineering
- Coordinate Federal Metabolic Engineering Research
- Identify and Address Gaps in Metabolic Engineering Research





# Metabolic Engineering

## Participating Agencies/Departments

- Department of Agriculture
- Department of Commerce
- Department of Defense
- Department of Energy
- Environmental Protection Agency
- National Aeronautics and Space Administration
- National Institutes of Health
- National Science Foundation





# Metabolic Engineering

## Five Year Accomplishments

- Generated an Interagency Web Site  
([www.metabolicengineering.gov](http://www.metabolicengineering.gov))
- Held Four Interagency Conferences on Metabolic Engineering
- Issued Five Interagency Announcements of Opportunities in Metabolic Engineering





# Metabolic Engineering

5 Interagency Announcements of Opportunities in Metabolic Engineering  
(NSF 98-49) (NSF 99-85) (NSF 01-19) (NSF 02-037) (NSF 03-516)

## Topic Areas of Interagency Interest

- Instrumentation, Tools, and Methods to facilitate the Study of Metabolic Pathways in Cells
- Quantitative and Conceptual Models
- Bioinformatics





# Metabolic Engineering

## Responses to Announcements

	<u>NSF 98-49</u>	<u>NSF 99-85</u>	<u>NSF 01-19</u>	<u>NSF 02-037</u>	<u>NSF 03-516</u>
Pre-Proposals	35	59	0	0	0
Full-Proposals	19	29	33	47	41
Awards	5	6	13	11	~10
Award Totals	\$3.6M	\$3.1M	\$7.5M	\$7.6M	~7.0M





**NIST**



# Metabolic Engineering

## Future Plans

- Obtain Approval of Second Five Year Plan
- Issue New Interagency Announcements of Opportunities in Metabolic Engineering
- Sponsor Annual Interagency Conferences on Metabolic Engineering
- Maintain an Up-To-Date Interagency Web Site for Metabolic Engineering

